AMENDMENTS TO THE CLAIMS

1. (currently amended)   A computer-implemented method comprising:

performing, using the computer, an analysis or synthesis operation on a graphical model representation that includes at least one graphical object;

producing a report from the analysis or synthesis operation;

associating one or more tags with one or more graphical objects of the graphical model representation;

associating the one or more tags associated with a graphical object with portions of the produced report corresponding to the graphical object;

receiving a selection of a graphical object in the graphical model representation; and

displaying elements of the report corresponding to the selected graphical object in response to the selection on a display device.

2. (original)   The method of claim 1 in which the report is a document structured with portions corresponding to different elements of the graphical model representation.

3. (original)   The method of claim 2 in which the document is a structural coverage report.

4. (original)   The method of claim 2 in which the document is a code generation report incorporating syntax highlighted code.

5. (original)   The method of claim 2 in which the document is a profiling report that documents relative execution times of each of the elements.

6. (canceled)

7. (previously presented)   The method of claim 1 in which the selection is made by a computer mouse action.

8. (previously presented)   The method of claim 1 in which the one or more tags are markup language tags.

9. (original)   The method of claim 8 in which the markup language tags are hypertext markup language (HTML) tags.

10. (original)   The method of claim 1 in which the report is a model coverage report.

11. (original)   The method of claim 1 in which the report is a generated code report.

12. (previously presented)   A system comprising:

means for performing an analysis or synthesis operation on a graphical model representation that includes at least one graphical object;

means for producing a report from the analysis or synthesis operation;

means for associating one or more tags with one or more graphical objects of the graphical model representation;

means for associating the one or more tags associated with a graphical object with portions of the produced report corresponding to the graphical object;

means for receiving a selection of a graphical object in the graphical model representation; and

means for displaying elements of the report corresponding to the selected graphical object in response to the selection.

13. (original)   The system of claim 12 further comprising means for loading an element in the report in response to activating one of the graphical model elements.

14. (original)   The system of claim 12 in which the report is a document structured with portions corresponding to different elements of the graphical model representation.

15. (original)   The system of claim 14 in which the document is a structural coverage report.

16. (original)   The system of claim 14 in which the document is a code generation report incorporating syntax highlighted code.

17. (original)   The system of claim 14 in which the document is a profiling report that documents relative execution times of each of the elements.

18. (previously presented)   The system of claim 12 in which the one or more tags are markup language tags.

19. (original)   The system of claim 18 in which the markup language tags are hypertext markup language (HTML) tags.

20. (original)   The system of claim 18 in which the markup language tags are portable document format (PDF) embedded links.

21. (original)   The system of claim 12 in which the report is a model coverage report.

22. (original)   The system of claim 12 in which the report is a generated code report.

23. (previously presented)   A computer program product residing on a computer readable medium having instructions stored thereon which, when executed a processor, cause the processor to:

   perform an analysis or synthesis operation on a graphical model representation, the graphical model representation including at least one graphical object;

   produce a report from the analysis or synthesis operation;

   associate one or more tags with one or more graphical objects of the graphical model representation;

   associate the one or more tags associated with a graphical object with portions of the produced report corresponding to the graphical object;

   receive a selection of a graphical object in the graphical model representation; and

   display elements of the report corresponding to the selected graphical object in response to the selection.

24. (canceled)